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Tall buildings of Chicago and NewYork

Civil Engineering

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1910

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TALL BUILDINGS OF CHICAGO AND NEW YORK

BY

BENJAMIN SHAPIRO

THESIS

FOR THE

DEGREE OF BACHELOR OF SCIENCE

IN

CIVIL ENGINEERING

COLLEGE OF ENGINEERING

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COLLEGE OF ENGINEERING

June 1, 1910

This is to certify that the thesis of BENJAMIN SHAPIRO entitled Tall Buildings of Chicago and New York is approved by me as meeting this part of the requirements for the degree of Bachelor of Science in Civil Engineering.

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TALL BUILDINGS OF CHICAGO AND NEW YORK.

INTRODUCTION.

In the development of every city, certain localities, owing to their natural advantages, are more valuable then others for the transaction of business. As the merchants desired to concentrate their facilities and business, and were unable to spread out, it was natural that the buildings should be built to a greater height than formerly. This led to the development of the tall building, commonly known as the skyscraper.

The first step in the development of the skyscraper was the introduction of iron beams, girders, and columns about forty or fifty years ago. Here the outer walls carried a large part of the floor and roof loads, and were very massive in the lower stories, requiring footings ten feet or more in width.

The second step was the adoption of exterior columns in the outer walls to carry the floor and roof loads, but as they did not support the masonry walls their foundations were separate from those of the columns. This led togreat difficulty due to eccentricity of the loads, which was caused by the unsymetrical construction, unbalanced pressure, and heavy stresses.

The last step in the development of the skyscraper was the introduction of wall-girders to transfer the weight of the exterior walls to the columns at every floor, thus completing the essential step in the development of the present steel cage construction. In this type minimum thickness of wall masonry is required, which

results in vast economy in cost, space, and weight in the lower stories, which in turn reduces the foundation loads, and simplifies the arrangment and construction of the foundation piers.

In summing up the above facts, tall buildings of the present time can be divided into three classes: (1) those which have their walls self-supporting and which have no steel work in their construction; (2) those buildings which have steel or iron columns in the walls, but the walls themselves are self-supporting; and (3) the buildings that have entirely self-supporting frames, that is, all the loads are transferred to the columns at each floor.

In Chicago, the period of development of the skyscraper dates from 1884 when the Home Insurance Building, twelve stories in height, was commenced. This building was the first steel-skeleton structure ever built. From that time many buildings have been constructed, some of which have become noted, as, the Masonic Temple, and Montgomery Ward and Company Building.

The building of skyscrapers in New York dates from the construction of the Tower Building in New York, in 1888, which was eleven stories in height. At the present time New York has the most advanced type of skyscraper construction in the world, with such examples as the Singer Building, the Metropolitan Building, and the Hudson Terminal Building.

The object of this thesis is the compilation of the available data of the buildings of Chicago and New York, and the buildings were limited to a minimum height of ten stories. The information which was procured is arranged in a similar form for all buildings, so that the data of any one of the buildings can be easily compared with that of some other.

In many cases photographs of the building follow the tabulated data. These photographs show quite clearly the general style of the buildings.

The buildings of Chicago are given first, followed by those of New York. They are given in alphebetical order in both cases.

Acknowledgement is due many of the architects of the buildings for the information which they have furnished.

- - - - -

CHICAGO.

ASHLAND BLOCK.

Location. Clark and Randolph, Chicago.

Date of erection.

Architect. Burnham and Root.

Engineer.

Contractor.

Use of building. Theatre and office.

Cost of, (substructure.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb. 200'8".
(below curb.

Number of stories, (above curb. 16.
(below curb.

Type and form of columns. Z bar columns used.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior wallls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

Ashland Block, Chicago.
OLYMPIC
VAUDEVILLE

ATWOOD BUILDING.

Location. Clark and Madison St., Chicago.

Date of erection. 1895.

Architect. Holabird and Roche.

Engineer.

Contractor.

Use of building. Mercantile and offices.

Cost of, (substructure. (superstructure. Total $260,000.00.

Ground dimensions and area. 63' X 80', 5048 sq. ft.

Amount of actual floor space. 56,768 sq. ft.

Height of building, (above curb. 130'. (below curb.

Number of stories, (above curb. 10. (below curb. 1.

Type and form of columns. Z bar columns used.

Type and form of footings. Grillages of steel beams.

Method of windbracing. Arched portals in north and west sides.

Type and form of foundations. Grillages in concrete.

Type and form of retaining walls.

Provision for settlement. 6-1/2".

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls. Terra cotta and brick.

Method of fireproofing.

Use of wire glass.

Type and number of elevators. 4.

Specifications under which built.

AUDITORIUM BUILDING.

Location. Congress and Michigan, Chicago.

Date of erection. 1887-1889.

Architect. Adler and Sullivan.

Engineer. D. Adler.

Contractor.

Use of building. Theatre and offices and hotel.

Cost of, (substructure. (superstructure. Total $3,200,000.00

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb. 270'. (below curb. 17'.

Number of stories, (above curb. 10, tower 19. (below curb. 1.

Type and form of columns. Cast iron columns used.

Type and form of footings. Grillages.

Method of windbracing.

Type and form of foundations. Grillage of rails and concrete resting on a timber flooring 12" thick.

Type and form of retaining walls. None used.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. Self supporting.

Composition of exterior walls. Granite and Bedford stone.

Method of fireproofing.

Use of wire glass. None.

Type and number of elevators.

Specifications under which built.

Auditorium Building, Chicago.

BOARD OF TRADE BUILDING.

Location. Jackson and LaSalle St., Chicago.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building. Brokers offices.

Cost of, (substructure. (superstructure. Total $1,730,000.00

Ground dimensions and area. 173' X 275'.

Amount of actual floor space.

Height of building, (above curb. 140 to 160', tower 310'. (below curb.

Number of stories, (above curb. 10. (below curb. 1.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations. Floating.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. Self-supporting.

Composition of exterior walls. Stone.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

CARSON PIRIE SCOTT AND COMPANY.

Location. State and Madison St., Chicago.

Date of erection.

Architect. Louis H. Sullivan.

Engineer.

Contractor.

Use of building. Mercantile.

Cost of, (substructure. (superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb. (below curb.

Number of stories, (above curb. (below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations. Concrete pieres to hard-pan.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

CARSON, PIRIE, SCOTT & CO'S BUILDING
STATE AND MADISON STS., CHICAGO
LOUIS SULLIVAN, ARCHITECT

CAXTON BUILDING.

Location. Chicago.

Date of erection.

Architect. Holabird & Roche.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure. / superstructure. Total $227,200.00

Ground dimensions and area. 5343 sq.ft.

Amount of actual floor space. 72,159 sq.ft.

Height of building, (above curb. 148'6". / (below curb.

Number of stories, (above curb. 12. / (below curb.

Type and form of columns. Z bar columns used.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

CHAMBER OF COMMERCE.

Location. Washington and LaSalle St., Chicago.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure. (superstructure. Total $700,000.00

Ground dimensions and area. 93' X 181'.

Amount of actual floor space.

Height of building, (above curb. 200'. (below curb.

Number of stories, (above curb. (below curb.

Type and form of columns. Cast iron columns used.

Type and form of footings.

Type and form of foundations.

Method of windbracing.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and form of elevators.

Specifications under which built.

CHAMPLAIN BUILDING.

Location. 126 State St., Chicago.

Date of erection.

Architect. Holabird & Roche.

Engineer.

Contractor.

Use of building. Store and offices.

Cost of, {substructure. / superstructure.} Total $552,300.00

Ground dimensions and area. 65' X 105', 7085 sq.ft.

Amount of actual floor space.

Height of building, {above curb. 188'8". / below curb.}

Number of stories, {above curb. 15. / below curb. 1.}

Type and form of columns. Z bar columns used.

Type and form of footings. Beam grillages.

Method of windbracing.

Type and form of foundations. Floating, I beam grillages.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Type and number of elevators.

Specifications under which built.

CHICAGO CITY HALL.

Location and Washington St., Chicago.

Date of erection. 1910.

Architect. Holabird & Roche.

Engineer. Purdy and Henderson.

Contractor. Noel Construction Company.

Use of building. Offices.

Cost of, (substructure. / superstructure. Total $4,500,000.00

Ground dimensions and area. 157' X 374'.

Amount of actual floor space. 587,011 sq.ft.

Height of building, (above curb. 203'0". / below curb. 37'7".

Number of stories, (above curb. 12. / below curb. 2.

Type and form of columns. Plates and angles.

Type and form of footings. Cast steel pedestals.

Method of windbracing. None used.

Type and form of foundations. Round concrete piers 4 to 10'6" in diameter.

Type and form of retaining walls. Concrete with I beams.

Provision for settlement. None.

Loads for floor design. 50# on typical floors.

Method of floor design. 6" segmental arch.

Method of carrying exterior walls. On steel work on each floor.

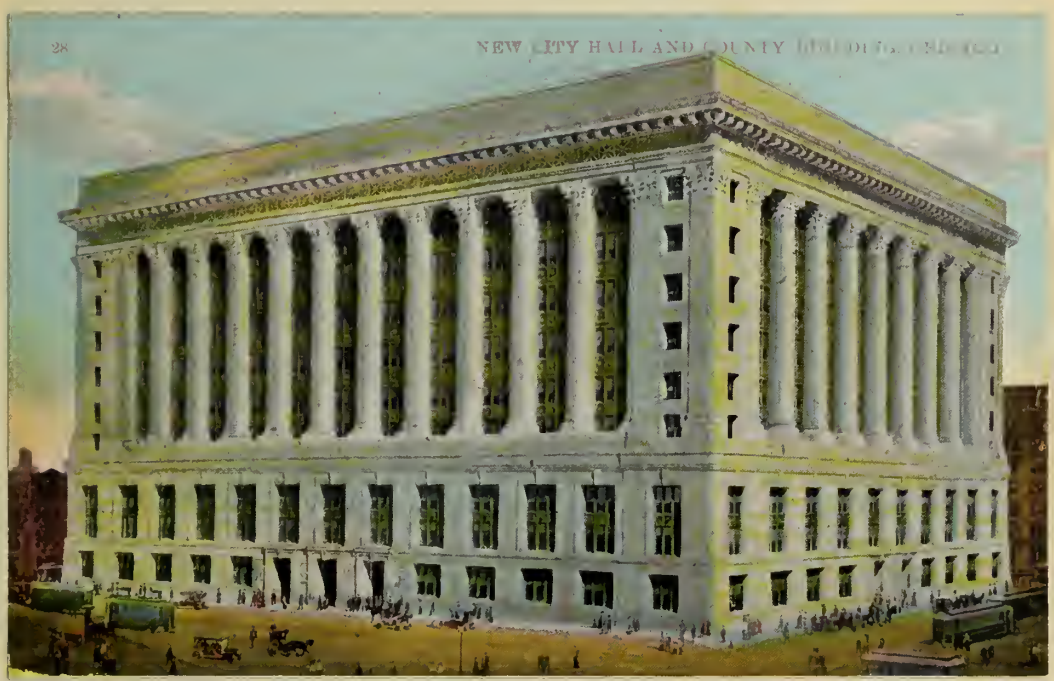
Composition of exterior walls. Bedford stone, granite, brick and terra cotta.

Metod of fireproofing. Hollow tile and concrete.

Use of wire glass. Around fire-escapes and at vault windows.

Type and form of elevators. 14 electric.

Specifications under which built.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NEW CITY HALL AND COUNTY

COOK COUNTY COURT HOUSE.

Location. Clark and Washington St.,Chicago.

Date of erection. 1905-1906.

Engineer. Purdy and Henderson.

Architect. Holabird and Roche.

Contractors. Wm. Grace Company.

Use of building. Offices.

Cost of, (substructure. (superstructure. Total $4,300,000.00

Ground dimensions and area. 160'6" X 380'9".

Amount of actual floor space. 499,459 sq.ft.

Height of building, (above curb. 215'0". (below curb. 14'0".

Number of stories, (above curb. 11. (below curb. 1.

Type and form of columns. Plates and angles.

Type and form of footings. Cast steel bases.

Method of windbracing. None used.

Type and form of foundation. Concrete piers to bed rock.

Type and form of retaining walls. Concrete with I beams.

Provision for settlement. None.

Loads for floor design. 50# on all typical floors.

Method of floor construction. 6" segmental arch tile.

Method of fireproofing. Hollow tile and concrete.

Use of wire glass. Elevators shafts. City ordinance.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Brick and terra cotta.

Type and number of elevators. 14 electric.

Specifications under which built.

CHICAGO SAVINGS BANK BUILDING.

Location. State and Madison St., Chicago.

Date of erection. 1904-1905.

Architect. Holabird & Roche.

Engineer. Purdy and Henderson.

Contractor. Wells Brothers.

Use of building. Bank and offices.

Cost of, (substructure. (superstructure. Total $700,000.00

Ground dimensions and area. 48'0" X 120'11". 5810 sq.ft.

Amount of actual floor space. 65,560 sq. ft.

Height of building, (above curb. 193'5". (below curb. 24'9".

Number of stories, (above curb. 14 and attic. (below curb. 2.

Type and form of columns. Plates and angles.

Type and form of footings. Cast steel bases.

Method of windbracing. Gusset plates at exterior columns.

Type and form of foundation. Concrete piers to rock, 4 to 10' dia.

Type and form of retaining walls. Concrete with I beams.

Provision for settlement. None.

Loads for floor design. 160#.

Method of floor construction. 12" flat tile arch.

Method of carrying exterior walls. On steel work at each floor.

Composition of exterior walls.Pressed brick and terra cotta.

Method of fireproofing. Hollow tile.

Use of wire glass. Windows next to adjoining buildings.

Type and number of elevators. 4.

Specifications under which built.

CHICAGO STOCK EXCHANGE BUILDING.

Location. LaSalle and Washington St., Chicago.

Date of erection. 1893-1894.

Architect. Adler and Sullivan.

Engineer.

Contractor.

Use of building. Brokers offices and stores.

Cost of, (substructure. 35.5¢ per cu.ft.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb.
(below curb.

Number of stories, (above curb. 13.
(below curb.

Type and form of columns. Z bar columns used.

Type and form of footings.

Method of windbracing.

Type and form of foundations. Circular piers to hard pan.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls. Terra cotta facing.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

CONTINENTAL NATIONAL BANK BUILDING.

Location. LaSalle and Quincy St., Chicago.

Date of erection.

Architect. D. H. Burnham.

Engineer.

Contractor.

Use of building. Bank and offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb.
(below curb.

Number of stories, (above curb.
(below curb.

Type and form of columns.

Type and form of footings. Brick pyramids.

Method of windbracing.

Type and form of foundations. Floating.

Type and form of retaining walls. None used.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. Self-supporting.

Composition of exterior walls. Brick.

Method of fireproofing.

Use of wire glass. None.

Type and form of elevators.

Specifications under which built.

CORN EXCHANGE NATIONAL BANK.

Location of building. LaSalle and Adams St.,Chicago.

Date of erection.

Architect. Shepard, Rutan and Colidge.

Engineer.

Contractor.

Use of building. Bank and office.

Cost of, (superstructure.
(substructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb.
(below curb.

Number of stories, (above curb. 16.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

THE FAIR.

Location. State and Adams St., Chicago.

Date of erection.

Architect. Jenney, Mundie and Jensen.

Engineer. W.L.B.Jenney.

Contractor.

Use of building. Mercantile.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 332'4" X 190'0".

Amount of actual floor space. 50,700 sq.ft. on each floor.

Height of building, (above curb. 161'6".
(below curb. 21'6".

Number of stories, (above curb. 11.
(below curb. 1.

Type and form of columns. Z bar columns used.

Type and form of footings. Grillages.

Type and form of retaining walls. Rubble.

Provision for settlement. About 4".

Loads for floor design. 200# to 100#.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Terra cotta.

Method of fireproofing. Hard and porous hollow tile.

Use of wire glass. As required by city ordinance.

Type and number of elevators.

Specifications under which built.

FIRST NATIONAL BANK BUILDING.

Location. Dearborn and Monroe St.,Chicago.

Date of erection. 1905-1906.

Architect. D. H. Burnham.

Engineer.

Contractor.

Use of building. Bank and offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 195' X 230', 40,000 sq.ft.

Amount of actual floor space.

Height of building, (above curb.
(below curb.

Number of stories, (above curb. 16.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations. Piers 6 to 10' in diameter to bed rock.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Dressed stone.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

FIRST NATIONAL BANK BUILDING
MONROE AND DEARBORN STS., CHICAGO
D. H. BURNHAM & CO., ARCHITECTS

FISHER BUILDING.

Location. Van Buren and Plymouth Ct., Chicago.

Date of erection. 1895.

Architect. D. H. Burnham.

Engineer. E. C. Shankland.

Contractor. Guaranty Construction Company.

Use of building. Manufacturing.

Cost of, (substructure. / superstructure. Total $600,000.00

ground dimensions and area. 100' X 80'.

Amount of actual floor space.

Height of building, (above curb. 235'. / below curb.

Number of stories, (above curb. 18 and attic. / below curb.

Type and form of columns. Gray columns used.

Type and form of footings. Grillages.

Method of windbracing. Outside columns connected to floor with 24" girders.

Type and form of foundations. Floating, steel beams imbeded in concrete.

Type and form of retaining walls .

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. On girders at each floor.

Composition of exterior walls. Terra cotta.

Method of fireproofing.

Use of wire glass.

Specifications under which built.

FORT DEARBORN BUILDING.

Location. Clark and Monroe St., Chicago.

Date of erection. 1893.

Architect. Jenney, Mundie and Jensen.

Engineer. W.L.B.Jenney.

Contractor.

Use of building. Offices.

Cost of, (substructure. / superstructure. 36.4¢ per cu.ft.

Ground dimensions and area. 109'0" X 90'9".

Amount of actual floor space. 8,117 sq.ft. on each floor.

Height of building, (above curb. 191'3". / (below curb. 10'10".

Number of stories, (above curb. 16. / (below curb. 1.

Type and form of columns. Plates and angles I section.

Type and form of footings. Grillages.

Method of windbracing. Gusset plates.

Type and form of foundations. Floating, beams in concrete.

Type and form of retaining walls. Rubble.

Provision for settlement. About 4".

Loads for floor design. 100# per sq.ft.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Terra cotta.

Method of fireproofing. Hard and porous hollow tile.

Use of wire glass. As required by city ordinance.

Type and number of elevators. 4.

Specifications under which built.

GREAT NORTHERN HOTEL BUILDING.

Location. Jackson and Dearborn St., Chicago.

Date of erection.

Architect. D. H. Burnham.

Engineer.

Contractor.

Use of building. Theatre, hotel, and offices.

Cost of, { substructure. / superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, { above curb. 185'. / below curb. 15'.

Number of stories, { above curb. 16. / below curb. 1.

Type and form of columns used. Gray columns, and Z bar columns used.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and form of elevators.

Specifications under which built.

HART, SCHAFNER, MARX COMPANY BUILDING.

Location. Franklin and Monroe St., Chicago.

Date of erection. 1909.

Architects. Holabird and Roche.

Engineer. Purdy and Henderson.

Contractors. Wells Company.

Use of building. Manufacturing.

Cost of, {substructure.
{superstructure.

Ground dimensions and area. 189'7" X 141'4".

Amount of actual floor space.

Number of stories, {above curb. 12 and attic.
{below curb. 1.

Height of building, {above curb. 160'0".
{below curb. 10'6".

Type and form of columns. Plates and angles.

Type and form of footings. Cast iron bases.

Method of windbracing. None used.

Type and form of foundations. 66 piers of 17 piles with 12'X 12' spread of concrete.1'6" thick.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying the exterior walls. On steel at each floor.

Composition of exterior walls. Brick and terra cotta.

Use of wire glass.

Type and number of elevators. 6.

Specifications under which built.

HIRSH-WICKWIRE BUILDING.

Location. Van Buren and Franklin St., Chicago.

Date of erection.

Architect. Jenney. Mundie and Jensen.

Engineer. W.L.B.Jenney.

Contractor.

Use of building. Mercantile.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 153'4" X 99'9".

Amount of actual floor space. 14,000 sq.ft. on each floor.

Height of building, (above curb. 134'2".
(below curb. 10'11".

Number of stories, (above curb. 10.
(below curb. 1.

Type and form of columns. Plates and angles.

Type and form of footings. Grillages.

Method of windbracing. Gusset plates.

Type and form of foundations. Driven piles.

Provision for settlement. About 4".

Loads for floor design. 100# per sq.ft.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls.

Method of fireproofing. Hollow tile.

Use of wire glass. As required by city ordinances.

Type and number of elevators.

Specifications under which built.

HOME INSURANCE BUILDING.

Location. Adams and LaSalle St., Chicago.

Date of erection. 1884-1885.

Architect. Jenney, Mundie and Jensen.

Engineer. W.L.B.Jenney.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 138'0" X 79'7".

Amount of actual floor space. 12,160 sq.ft.

Height of building, (above curb. 175'6".
(below curb. 10'0".

Number of stories, (above curb. 12.
(below curb. 1.

Type and form of columns. Z bar columns used.

Type and form of footings. Grillages.

Method of windbracing. Gusset plates.

Type and form of foundations. Floating.

Type and form of retaining walls. Concrete.

Provision for settlement. About 4".

Loads for floor design. 100# per sq.ft.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing. Hollow tile.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

Note. This building was the first steel skeleton construction in the world.

Home Insurance Bldg.,
Chicago.

LA SALLE HOTEL.

Location. LaSalle and Madison St.,Chicago.

Date of erection. 1908-1909.

Architect. Holabird and Roche.

Engineer. Purdy and Henderson.

Contractor. G. A. Fuller Company.

Use of building. Hotel.

Cost of, {substructure. / superstructure.} Total $3,400,000.00

Ground dimensions and area. 162'5" X 179'2".

Amount of actual floor space. 348,845 sq.ft.

Height of building, {above curb. 253'2". / below curb. 26'0".}

Type and form of columns. Plates and angles.

Type and form of footings. Cast steel bases.

Method of wind-bracing. None used.

Type and form of foundations. Concrete piers to bed rock.

Type and form of retaining walls. Concrete with I beams, also gravity.

Provision for settlement. None.

Loads for floor design. 50# on all typical floors.

Method of floor construction. 8 and 12" flat tile arch construction

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Brick and terra cotta.

Method of fireproofing. Hollow tile and concrete.

Use of wire glass. Elevator shafts. City ordinance.

Type and number of elevators. 9 hydraulic.

Specifications under which built.

MANHATTEN BUILDING.

Location. 315 Dearborn St., Chicago.

Date of erection. 1892.

Architect. Jenney, Mundie and Jensen.

Engineer. W.L.B.Jenney.

Contractor.

Use of building. Offices.

Cost of, (superstructure.
(substructure.

Ground dimensions and area. 148'8" X 67'4".

Amount of actual floor space. 9,286 sq.ft. per floor.

Height of building, (above curb. 193'10"
(below curb. 10'0".

Number of stories, (above curb. 16.
(below curb. 1.

Type and form of columns. Z bar columns used.

Type and form of footings. Grillages.

Method of windbracing. Gusset plates.

Type and form of foundations. Floating.

Type and form of retaining walls. Rubble.

Provision for settlement. About 4".

Loads for floor design. 100# per sq.ft.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Pressed brick and terra cotta.

Method of fireproofing. Hollow tile.

Use of wire glass. None.

Type and number of elevators. 5.

Specifications under which built.

MARQUETTE BUILDING.

Location. Adams and Dearborn St., Chicago.

Date of erection. 1894.

Architect. Holabird and Roche.

Engineers. Purdy and Henderson.

Contractor. G. A. Fuller Company.

Use of building. Stores and high grade offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 113' X 140' X 190'.

Amount of actual floor space.

Height of building, (above curb. 207'.
(below curb.

Number of stories, (above curb. 16.
(below curb. 1.

Type and form of columns. Z bar columns, two story lengths.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.Hydraulic jacks under each column.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. At each floor on steel work.

Composition of exterior walls. Terra cotta and pressed brick.

Type and number of elevators. 11.

Specifications under which built.

MARSHALL FIELD BUILDING.

Location. State and Washington St., Chicago.

Date of erection. 1905-1906.

Architect. D. H. Burnham.

Engineer.

Contractor.

Use of building. Retail mercantile.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 151 X 385'.

Amount of actual floor space.

Height of building, (above curb.
(below curb.

Number of stories, (below curb. 12.
(above curb. 3.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundation. 52 concrete piers 110' to bed rock.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls. Bedford stone.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

MASONIC TEMPLE.

Location. State and Randolph St.,Chicago.

Date of erection. 1893.

Architect. Burnham and Root.

Engineer. E. C. Shankland.

Contractor.

Use of buildings. Stores, offices and lodge halls.

Cost of, {substructure. / superstructure.} 58¢ per cu.ft. Total $3,000,000

Ground dimensions and area. 170' X 140'.

Amount of actual floor space.

Height of building, {above curb. 274', skylight 302. / below curb.}

Number of stories, {above curb. 20. / below curb. 1.}

Type and form of columns. Plates and angles.

Type and form of footings. Grillages.

Method of windbracing.

Type and form of foundation. Grillages on beds of concrete.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. On lintels above fourth floor.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

MONADNOCK BLOCK.

Location. Jackson and Dearborn St., Chicago.

Architects. Holabird and Roche, and D. H. Burnham.

Engineer.

Contractor.

Use of building. Offices.

Cost of (substructure.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb. 223'.
(below curb.

Number of stories, (above curb. 16 and 17.
(below curb. 1.

Type and form of columns. Z bar columns used.

Type and form of footings.

Method of windbracing. Arched portals.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators. 16.

Specifications under which built.

MUNICIPAL BUILDING.

Location. 148 Michigan Ave.,Chicago.

Date of erection. 1906.

Architect. Jenney Mundie & Jensen.

Engineer. W.L.B.Jenney.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 171'9" X 40'2". 6899 sq.ft.

Amount of actual floor space. 5292 sq.ft.on each floor.

Height of building, (above curb. 165'7".
(below curb. 12'4".

Number of stories, (above curb. 12.
(below curb. 1.

Type and form of columns. I section of plates and angles.

Type and form of footings. On cassions.

Method of windbracing. Gusset plates.

Type and form of foundations. Concrete piers to bed rock.

Type and form of retaining walls. Concrete battered.

Provision for settlement. None.

Loads for floor design. 100# per sq.ft.

Method of floor construction.

Method of carrying exterior walls. On steel work at each floor.

Composition of exterior walls. Pressed brick.

Method of fireproofing. Hard and porous hollow tile.

Use of wire glass. As required by ordinance.

Type and number of elevators.

Specifications under which built.

NATIONAL LIFE INSURANCE BUILDING.

Location. 159 LaSalle St., Chicago.

Date of erection.

Architect. Jenney, Mundie and Jensen.

Engineer. W.L.B.Jenney.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 88'0" X 209'5".

Amount of actual floor space. 13,409 sq.ft.

Height of building, (above curb. 156'4".
(below curb. 11'9".

Number of stories, (above curb. 12.
(below curb. 1.

Type and form of columns. Plates and angles.

Type and form of footings. Grillages.

Method of windbracing. Gusset plates.

Type and form of foundations. Floating.

Type and form of retaining walls. Rubble.

Provision for settlement. 4" allowed.

Loads for floor design. 100# per sq.ft.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass. As required by city ordinance.

Type and number of elevators.

Specifications under which built.

NEW YORK LIFE INSURANCE BUILDING.

Location. 171 LaSalle St.,Chicago.

Date of erection. 1893-1894.

Architects. Jenney, Mundie and Jensen.

Engineer. W.L.B.Jenney.

Contractor.

Use of building. Offices.

Cost of, {substructure. / superstructure.} 47¢ per cu.ft.

Ground dimensions and area. 80'0" X 232'10".

Amount of actual floor space. 15,166 sq.ft.

Height of building, {above curb. 172'0". / below curb. 11'4".}

Number of stories, {above curb. 14. / below curb. 1.}

Type and form of columns. Plates and angles I section.

Type and form of footings. Grillages.

Method of windbracing. Gusset plates.

Type and form of foundation. Floating.

Type and form of retaining walls. Rubble.

Provision for settlement. About 4".

Loads for floor design. 100# per sq.ft.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Granite and terra cotta.

Method of fireproofing. Hard and porous hollow tile.

Use of wire glass. As required by city ordinances.

Type and number of elevators. 5.

Specifications under which built.

New York Life Building, Chicago.

OLD COLONY BUILDING.

Location. Dearborn and Vanburen St.,Chicago.

Date of erection. 1893-1894.

Architect. Holabird and Roche.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure. / superstructure. Total $1,250,000.

Ground dimensions and area. 68'1" X 216'9".

Amount of actual floor space.

Height of building, (above curb. 213'0". / (below curb.

Number of stories, (above curb. 16. / (below curb. 1.

Type and form of columns. Phoenix and Z bar columns used.

Type and form of footings.

Method of windbracing. Arched portals.

Type and form of foundations. Floating.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls.

Method of fireproofing. 3" hollow tile.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

OWINGS BUILDING.

Location. Chicago.

Architect.

Engineer.

Contractor.

Use of building.

Cost of, (substructure. Total $300,000.00
(superstructure.

Ground dimensions and area. 50' X 75'.

Amount of actual floor space.

Height of building, (above curb, 140', tower 228'.
(below curb.

Number of stories, (above curb. 14.
(below curb.

Type and form of columns. Cast iron.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

PEOPLES GAS LIGHT AND COKE COMPANY.

Location. Jackson and Michigan. Chicago.

Date of erection. 1910.

Architect. D. H. Burnham and Company.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 171'9" X 196'8".

Amount of actual floor space.

Height of building, (above curb. 260'0".
(below curb. 28'0".

Nimber of stories, (above curb. 20 and attic.
(below curb. 2.

Type and form of columns. Closed rectangular section.

Type and form of footings. Cast steel bases.

Method of windbracing. Knee braces.

Type and form of foundations. Concrete piers to bed rock.

Type and form of retaining walls. Concrete battered.

Provision for settlement. None.

Loads for floor design.

Method of floor construction. Tile arches 1'4" thick.

Method of carrying exterior walls. AT each floor on steel work.

Composition of exterior walls. Terra cotta.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

RAILWAY EXCHANGE BUILDING.

Location. Michigan Ave. and Monroe St., Chicago.

Date of erection.

Architect. D. H. Burnham and Company.

Engineer.

Contractor.

Use of building. Offices.

Cost of building. $2,000,000.

Ground dimensions and area. 200' X 168'.

Amount of actual floor space.

Height of building, (above curb.
(below curb.

Number of stories, (above curb. 19.
(below curb. 2.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations. 52 concrete piers to bed rock.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Terra cotta.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

RAILWAY EXCHANGE BUILDING, CHICAGO

D. H. BURNHAM & CO., ARCHITECTS

RELIANCE BUILDING.

Location. Washington and State St., Chicago.

Date of erection. 1894-1895.

Architect. D. H. Burnham and Company.

Engineer. E. C. Shankland.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 55' X 85'.

Amount of actual floor space.

Height of building, (above curb. 200'.
(below curb.

Number of stories, (above curb. 14.
(below curb. 1.

Type and form of columns. Gray columns used.

Type and form of footings. Cast iron bases.

Method of windbracing. 24" plate girders to outside walls.

Type and form of foundations. Floating. Steel beams and concrete.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Glazed terra cotta.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

Reliance Building, Chicago.

ROOKERY BUILDING.

Location. Adams and LaSalle St., Chicago.

Date of erection. 1886.

Architect. Burnham and Root.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructer.
(superstructure. 32¢ per cu. ft.

Ground dimensions and area. 182' X 184'.

Amount of actual floor space. 26,584 sq.ft. to each floor.

Height of building, (above curb. 162'.
(below curb. 10'.

Number of stories, (above curb. 11.
(below curb. 1.

Type and form of columns. Cast iron.

Type and form of footings. Large granite piers.

Method of windbracing. Continuous bands of steel around building thru masonry.

Type and form of foundations. Rails imbedded in concrete. Floating.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. Self-supporting. No columns in walls.

Compositionof exterior walls. Masonry.

Methof of fireproofing. Tile.

Use of wire glass.

Specifications under which built.

Type and number of elevators. 11.

THE ROOKERY.

SHERMAN HOUSE.

Location. Clark and Randolph, Chicago.

Date of erection. 1910.

Architect. Holabird and Roche.

Engineers. Purdy and Henderson.

Contractor.

Use of building. Hotel.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 181'10" X 160'9".

Amount of actual floor space.

Height of building, (above curb.
(below curb. 28'10".

Number of stories, (above curb. 13 and attic and mez.
(below curb. 2.

Type and form of columns. Pairs of channels with cover plates.

Type and form of footings. Cast steel bases.

Method of windbracing. None used.

Type and form of foundations. 132 piers of concrete to bed rock.

Type and form of retaining walls. Concrete reinforced.

Provision for settlement. None.

Loads for floor design. 50# for typical floor.

Method of floor construction. Hollow tile between I beams.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls. Terra cotta and brick.

Method of fireproofing. Firetile.

Use of wire glass.

Type and number of elevators. 6.

Specifications under which built.

STEINWAY HALL.

Location. 79 Vanburen St., Chicago.

Date of erection. 1895.

Architect. Dwight H. Perkins.

Engineer. Louis J. Johnson.

Contractors. G. A. Fuller Company.

Use of building. Theatre and studios.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 61'9" X 91'0".

Amount of actual floor space.

Height of building, (above curb. 139', ridge 158'.
(below curb.

Number of stories, (above curb. 11.
(below curb. 1.

Type and form of columns.

Type and form of footings. Cast iron bases.

Method of windbracing. Angles placed diagonally between the columns and beams.

Type and form of foundations. Steel I beams on concrete isolated piers.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing. Porous terra cotta.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

TACOMA BUILDING.

Location. LaSalle and Madison St.,Chicago.

Date of erection.

Architects. Holabird and Roche.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure. (superstructure. Total $500,000.

Ground dimensions and area. 100' X 80'.

Height of building, (above curb. 160'. (below curb.

Number of stories, (above curb. 13. (below curb. 1.

Type and form of columns. Cast iron.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

TRIBUNE BUILDING.

Location. Dearborn and Madison St., Chicago.

Date of erection.

Architects. Holabird and Roche.

Engineer.

Contractor.

Use of building. Newspaper and offices.

Cost of, (substructure. / superstructure. Total $1,500,000.00

Ground dimensions and area. 144' X 121'.

Amount of actual floor space.

Height of building, (above curb. / below curb. 30'.

Number of stories, (above curb. 17. / below curb. 2.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations. To bed rock, 90' below grade by crete system of wooden tubing with con-

Type and form of retaining walls. On 40' piles, 3' centers.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls. Bedford stone.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

Tribune Building, Chicago, Ill.

UNITY BUILDING.

Location. 75-81 Dearborn St., Chicago.

Date of erection.

Architect. Holabird and Roche.

Engineer.

Contractor.

Use of building. Offices.

Cost of { substructure. / superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, { above curb. 210'. / below curb.

Number of stories, { above curb. 16. / below curb. 1.

Type and form of columns. Cast iron.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Specifications under which built.

WOMANS TEMPLE.

Location. Monroe and LaSalle St., Chicago.

Date of erection.

Architect. Burnham and Root.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb. 198'.
(below curb.

Number of stories, (above curb. 13.
(below curb. 1.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. Walls are self-supporting.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

Y. M. C. A. BUILDING.

Location. 153 LaSalle St.,Chicago.

Date of erection.

Architect. Jenney, Mundie and Jensen.

Engineer. W.L.B.Jenney.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 53'9" X 187'0" X 26'8" X 121'3".

Amount of actual floor space. 10,886 sq.ft. on each floor.

Height of building, (above curb. 166'0".
(below curb. 12'2".

Number of stories, (above curb. 13.
(below curb. 1.

Type and form of columns. Plates and angles in I section.

Type and form of footings. Grillages.

Method of windbracing. Gusset plates.

Type and form of foundations. Floating.

Type and form of retaining walls. Rubble.

Provision for settlement. About 4".

Loads for floor design. 100# per sq.ft.

Method of floor construction.

Method of carrying exterior walls. On steel at each floor.

Composition of exterior walls.

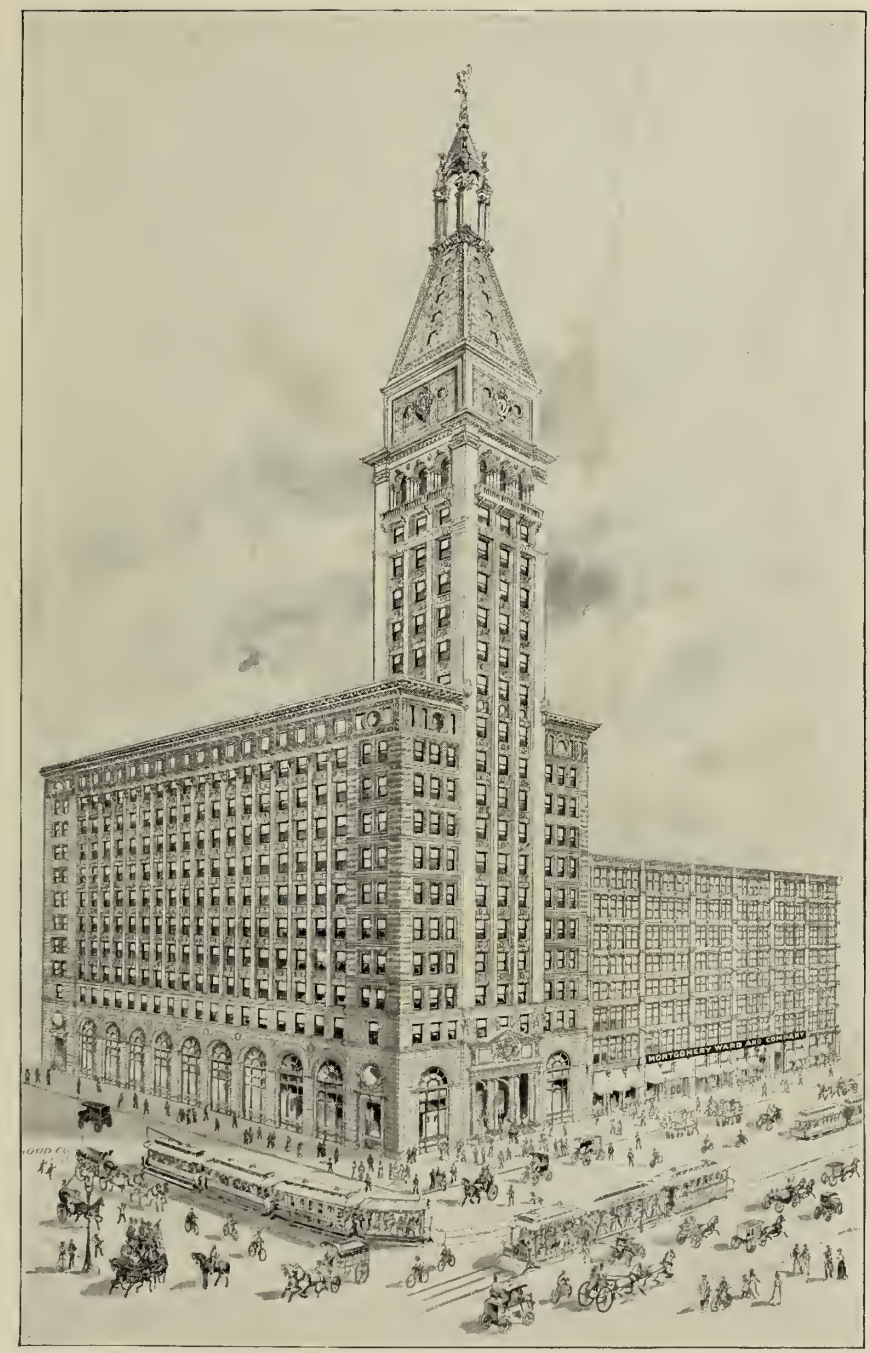
Method of fireproofing. Hard and porous tile.

Use of wire glass. As required by city ordinance.

Type and number of elevators.

Specifications under which built.

Y. M. C. A.



MONTGOMERY WARD & CO. BUILDING, CHICAGO.

R. E. SCHMIDT, ARCHITECT.

McCormick Building

Michigan Ave. and Van Buren St., Chicago

Holabird & Roche, Chicago, Architects. Geo. A. Fuller Co., Chicago, Contractors.

REPUBLIC BUILDING, CHICAGO

HOLABIRD & ROCHE, ARCHITECTS

NEW. YORK.

AMERICAN EXCHANGE BANK BUILDING.

Location. Broadway and Cedar Streets, New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building. Bank and offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 39'9-1/2" X 49'5".

Amount of actual floor space. 72,000 sq. ft.

Height of building, (above curb. 232'.
(below curb. 16'.

Number of stories, (above curb.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and size of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method fo fireproofing.

Use of wire glass.

Type and number of elevators. 3.

Specifications under which built.

AMERICAN SURETY COMPANY BUILDING.

Location. Broadway and Pine Streets, New York.

Date of erection. 1894.

Architect. Mr. Bruce Price.

Engineer.

Contractor.

Use of building. Offices.

Ground dimensions anf floor area. 84'8" X 85'6".

Amount of actual floor space.

Height of building, (above curb. 306'6".
(below curb. 21.0".

Number of stories, (above curb. 23.
(below curb. 2.

Cost of building.

Type and forms of columns. Angles with plates and Z bars.

Type and forms of footings.

Method of windbracing.

Type and size of foundations. 13 rectangular cassions, 60' deep.

Type and form of retaing walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

Bruce Price, Architect.

American Surety Building.
12,000 bbls. Atlas Cement Used.

C. T. Wills, Builder.

AMERICAN TRACT SOCIETY BUILDING.

Location. S.E. Cor. Spruce & Nassau Sts., New York.

Date of erection. 1895-1896.

Architect. R. H. Robertson.

Engineer. Mr. Crehore.

Contractor. John Downey and Son.

Use of building. Offices and stores.

Cost of, {substructure. / superstructure.} Total. $1,000,000.00.

Ground dimensions and area. 94'6" X 100'7".

Amount of actual floor space. 145,000 sq.ft. (walls excluded).

Height of building, {above curb. 294'4" sidewalk to roof apex. / below curb. 38' to top of foundation piles.}

Number of stories, {above curb. 23 and tank attic. / below curb. 2.}

Type and form of columns. Box-plates and angles.

Type and form of footings. Brick piers and granite cappings.

Method of windbracing. Latticed girders between lintels and sills of exterior windows.

Type and size of foundations. Spruce piling, 2500 in number and 10" in diameter.

Type and form of retaining walls. Brick battered.

Provision for settlement. None.

Loads for floor design. Dead load 80#, live load 125#.

Method of floor construction. Terra cotta arches, end construction.

Method of carrying exterior walls. Rolled beams, plate and latticed girders at floors.

Composition of exterior walls. Granite facings 1st. and 2d. stories and brick above.

Method of fireproofing. 4" of brickwork around all columns.

Use of wire glass. None.

Type and number of elevators. 6 high-pressure Otis hydraulic.

Specifications under which built. Joint study of Architect and Otis Company.

The columns carry the exterior walls and the floor loads.

ANSONIA HOTEL.

Location:- Broadway, 73d. & 74th. Sts., New York.

Date of erection:- 1902.

Architect:- W.E.D.Stokes.

Engineer:- Paul Duboy.

Contractor:- P.D.Raque.

Use of building:- Hotel exclusively.

Cost of, (substructure. / superstructure.) Total:- $3,500,000.00.

Ground dimensions and area:- 213'8" X 239' X 174', 37,000 sq.ft.

Amount of actual floor space:-

Height of building, (above curb:- 200'. / below curb:- 25'.)

Number of stories, (above curb:- 17 stories and attic. / below curb:- 2.)

Type and form of columns:- Cast iron columns and steel I beams, square to 7th.circular above.

Type and form of footings:- Cast iron pedestals on granite bases.

Method of wind bracing:-

Type and size of foundations:- Excavations made in solid rock.

Type and form of retaining walls:- Concrete battered.

Provision for settlement:- None.

Loads for floor design:- Total load 125#.

Method of floor construction:- Roebling system used.

Method of carrying exterior walls:- Self supporting to 3d., and double and triple I at floors.

Composition of exterior walls:- Red brick throughout.

Method of fireproofing:- Whites fire-proof blocks.

Use of wire glass:-

Type and form of elevators:-

Specifications under which built:-

ASTORIA HOTEL.

Location. 344-350 Fifth Ave., New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 335' X 98'9".

Amount of actual floor space.

Height of building, (above curb. 213'.
(below curb.

Number of stories, (above curb. 16.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and size of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

ATLANTIC MUTAL LIFE INSURANCE BUILDING.

Location. Wall and William Streets.,New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 58' X 89.5' X 143'5".

Amount of actual floor space.

Height of building, (above curb. 242'.
(below curb.

Number of stories, (above curb. 18.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and size of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BANK OF COMMERCE BUILDING.

Location. Nassau and Cedar Streets, New York.

Date of erection.

Architect. J. B. Baker.

Engineer.

Contractor.

Use of building. Bank and office.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 106'2" X 109'5" X 172'.

Amount of actual floor space. 172,000 sq. ft.

Height of building, (above curb. 270'.
(below curb. 19'.

Number of stories, (above curb. 20.
(below curb. 1.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and size of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

Bank of Commerce Building, New York City

James B. Baker, Architect — Atlas Cement used exclusively — C. T. Wills, Builder

BANK OF THE STATE OF NEW YORK.

Location. Exchange Place, New York.

Date of erection. 1902.

Architect. Clinton and Russel.

Engineer.

Contractor.

Use of building. Bank and office.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 100' X 100'.

Amount of actual floor space.

Height of building, (above curb. 340'.
(below curb. 21'.

Number of stories, (above curb. 25.
(below curb. 2.

Type and form of columns. Rectangular steel columns.

Type and form of footings. Cast steel bases.

Method of windbracing. Long knee braces used in exterior walls and in two interior columns.

Type and size of foundations. 27 cassions to solid rock.

Type and form of retaining walls. Continuous cassions around walls.

Provision for settlement. None.

Loads for floor design. Total load = 160#.

Method of floor construction.

Method of carrying exterior walls. On girders at each floor.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BATTERY PARK BUILDING.

Location. State and Pearl Streets, New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 108'2" X 127' X 104'9" X 93'9".

Amount of actual floor space.

Height of building, (above curb. 145.5'.
(below curb.

Number of stories, (above curb. 11.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and size of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BELMONT HOTEL.

Location:- Park Ave. & 42d. St., New York.

Date of erection:- 1903.

Architects:- Warren and Wetmore.

Engineer:- F. A. Burdett.

Contractor:- Marc Eidlitz & Son.

Use of building:- Hotel exclusively.

Cost of, {substructure. / superstructure.} Total:- $2,500,000.00 Site:- $1,000000

Ground dimensions and area:- 160' X 198'.

Amount of actual floor space:-

Height of building, {above curb:- 276'. / below curb:- 57'8".}

Number of stories: {above curb:- 21 and attic. / below curb:- 5.}

Type and form of columns:- Closed rectangular, channels and plates.

Type and form of footings:- Grillages 7' square.

Method of wind bracing:- Thru floor construction, and horizontal diagonal bars.

Type and size of foundations:- Complete excavation to solid rock.

Type and form of retaining walls:- Concrete battered.

Provision for settlement:- None.

Loads for floor design:- Total 130#.

Method of floor construction:- Roebling method on I beams 5-7' c-c.

Method of carrying exterior walls:- Wall girders at each floor.

Composition of exterior walls:- 1st. and top 4 stories, Bedford stone, rest brick.

Method of fireproofing:-

Use of wire glass:-

Specifications under which built:-

BLAIR BUILDING.

Location. Broad Street and Exchange Place, New York.

Date of erection.

Architects. Cairere and Hastings.

Contractor.

Engineer. Owen Brainard.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 76'6" X 80'.

Amount of actual floor space.

Height of building, (above curb.
(below curb. 27'.

Number of stories, (above curb. 20.
(below curb. 2.

Type and form of columns. 35 steel columns in building.

Type and form of footings.

Method of windbracing.

Type and size of foundations. Concrete piers to bed rock, continuous around walls.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BISHOP BUILDING.

Location. Williams and Liberty Street, New York.

Architect.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructre.

Ground dimension and area. 60'6" X 97' X 121'7-1/4".

Amount of actual floor space.

Height of building, (above curb. 162'.
(below curb.

Number of stories, (above curb. 12.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BOWLING GREEN BUILDING.

Location. 5-11 Broadway, New York.

Date of erection.

Name of architect. Cass Gilbert.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 162' X 201'.

Amount of actual floor space.

Height of building, (above curb. 224'.
(below curb. 47.5'.

Number of stories, (above curb. 19.
(below curb. 3.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BOWLING GREEN BUILDING, N. Y. CITY.

BROADWAY CHAMBERS.

Location. Broadway and Chambers Streets, New York.

Date of erection.

Architect. Cass Gilbert.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 95' X 50'11".

Amount of actual floor space.

Height of building, (above curb.225'.
(below curb.

Number of stories. (above curb. 18.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and forms of foundation.

Type and forms of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls..

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BROAD EXCHANGE BUILDING.

Location. Broad St. and Exchange Place, New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 108'8" X 102'4" X 236'.

Amount of actual floor space.

Height of building, (above curb. 276'6".
(below curb.

Number of stories, (above curb. 20.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BROADWAY NUMBER 42.

Location. 42 Broadway, New York.

Date of erection.

Architect. Henry Ives Cobb.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb.
(below curb.

Number of stories, (above curb. 20.
(below curb.

Type and form of columns.

Type and for of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and form of elevators.

Specifications under which built.

BROADWAY NUMBER 60.

Location. 60 Broadway. New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb. 306.25'.
(below curb.

Number of stories, (above curb. 22.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and size of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BROADWAY NUMBER 84.

Location. 84 Broadway, New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 44'6" X 58'9".

Amount of actual floor space.

Height of building, (above curb. 154'.
(below curb.

Number of stories, (above curb. 12.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and forms of foundations.

Type and for of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

BRYANT BUILDING.

Location. Nassau and Liberty Streets, New York.

Date of erection. 1910.

Architect. Henry Ives Cobb.

Engineer.

Contractor.

Use of building. Offices.

Cost of building,

Ground dimensions and area. 82' X 86' X 58' X 66'.

Amount of actual floor space.

Height of building, (above curb. 338'.
(below curb.

Number of stories. (above curb. 30.
(below curb. 2.

Type and form of columns. Angles and web plates.

Type and form of footings. I beams grillages.

Method of windbracing. By wall girders at every floor.

Type and form of foundations. Cassions, 90' to bed rock. Bearing area equals 1950 sq. ft.

Type and form of retaining walls. Continuous cassions part, 15" reinforced concrete, rest.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. On girders at every floor.

Composition of exterior walls. Terra cotta.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

CITY INVESTING BUILDING.

Location. Cortlandt, Broadway, and Trinity Place, New York.

Date of erection. 1907-1909.

Architect. Francis H. Kimball.

Engineers. Weiskopf and Stern.

Contractors. Hedden Construction Company.

Use of building. Offices.

Cost of, (substructure. (superstructure. Total $10,000,000.

Ground dimensions and area. 313' X 124', 32,000 sq. ft.

Amount of actual floor space. 500,000 sq. ft.

Number of stories, (above curb. 27 and 33. (below curb. 2.

Height of building, (above curb. 486'. (below curb. 30'.

Type and form of columns. 92 steel rectangular columns.

Type and form of footings. Cast steel bases on I beam grillages.

Method of windbracing. Thru the floor girders.

Type and form of foundations. To bed rock by cassions.

Type and form of retaining walls. Continuous cassions around walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction. 10" flat tile filled with cinder, and on I beams resting on pairs of girder.

Method of carrying exterior walls. At each floor on girders and I beams.

Composition of exterior walls. Red brick to 6th, then terra cotta.

Method of fireproofing. 4"-6" terra cotta. Minimum = 2".

Use of wire glass. On Broadway side of building only.

Type and number of elevators. 21.

Specifications under which built.

General View of City Investing Company's Building.

COMMERCIAL CABLE BUILDING.

Location. 20-22 Broad Street. New York.

Date of erection.

Architect. Harding and Gooch.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 45'1-1/2" X 153'11".

Amount of actual floor space.

Height of building, (above curb. 255', top of dome 300 ft.
(below curb.

Number of stories, (above curb. 20.
(below curb.

Type and forms of columns. Phoenix columns used throughout.

Type and form of footings.

Method of windbracing.

Type and forms of foundations.

Type and forms of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

DECKER BUILDING.

Location. Union Square New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb. 175'.
(below curb.

Number of stories, (above curb. 13.
(below curb. 1.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and size of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. Walls are self supporting, load is 76,000# per lineal foot.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

R. G. DUNN BUILDING.

Location. 290-294 Broad St., New York.

Date of erection.

Architect. Harding and Gooch.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 608' X 130'7".

Amount of actual floor space.

Height of building, (above curb. 223'.
(below curb.

Number of stories, (above curb. 15.
(below curb.

Type and form of columns. Phoenix.

Type and form of footings.

Method of windbracing.

Type and form of foundation.

Type and form of retaining walls.

Provision for settlement.

Loades for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

EMPIRE BUILDING.

Location. Broadway and Rector St., New York.

Date of erection.

Architect. Kimball and Thompson.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 28' X 223'10".

Amount of actual floor space. 170,000 sq. ft.

Height of building, (above curb. 293'.
(below curb. 20'.

Number of stories, (below curb. 1.
(above curb. 21.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and forms of foundation.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

FARMERS LOAN AND TRUST BUILDING.

Location. New York City.

Date of erection. 1907- 1908.

Architect. Clinton and Russel.

Engineer.

Contractor. G. A. Fuller Company.

Use of building. Bank and office.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 68' X 126' X 44'.

Amount of actual floor space.

Height of building, (above curb. 222'.
(below curb. 38'.

Number of stories, (above curb. 16.
(below curb. 2.

Type and form of columns. Rectangular section made of channels in pairs.

Type and form of footings. Cast bases on I beam grirrages.

Method of windbracing.

Type and form of foundation. Cassions to bed rock.

Type and forms of retaining walls. Continuous walls of cassions.6'.

Provision for settlement. None.

Loads for floor design. 1st 200#, above 1st 150#.

Method of floor construction. Hollow tile between I beams.

Method of carrying exterior walls. At each floor on channels.

Composition of exterior walls. Brick masonry.

Method of fireproofing

Use of wire glass.

Type and number of elevators.

Specifications under which built.

FULLER BUILDING.(Flatiron Building.)

Location. Broadway, 23d and 5th Ave., New York.

Architect. D. H. Burnham and Company.

Engineer.

Contractor.

Date of erection. 1902.

Use of building. Store and office.

Cost of, (substructure.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb. 286'.
(below curb.

Number of stories. (above curb. 21.
(below curb. 2.

Type and form of columns. Rectangular section closed type.

Type and form of footings. Cast iron bases on granite capstones.

Method of windbracing. Gusset plates and channels used as knee braces.

Type and forms of foundation. Cassions to bed rock.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design. Dead load 100#, live load 75#.

Method of floor construction.

Method of carrying exterior walls. On girders and channels at each floor.

Composition of exterior walls. Bedford stone and brick.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

GERMAN AMERICAN INSURANCE BUILDING.

Location. Liberty and Maiden Lane, New York.

Date of erection.

Architect. Hill and Stout.

Engineer.

Contractor. Post and McCord.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 62' X 128' X 19' X 137'6".

Amount of actual floor space.

Height of building, (above curb. 273'.
(below curb.

Number of stories, (above curb. 20.
(below curb.

Type and form of columns.

Type and form of footings. Columns on I beam grillages.

Method of windbracing. Long transverse kneebraces used.

Type and forms of foundations. 20 rectangular piers of concrete to hard pan, 40' below curb.

Type and form of retaining walls.

Loads for which floor was designed.

Method of floor construction.

Method of carrying exterior walls. On I beams at each floor.

Composition of exterior walls.

Methods of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

GILLENDER BUILDING.

Location. Wall and Nassau Street, New York.

Date of erection. 1894.

Architect. Berg and Clark.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 26' X 73'5-1/2".

Amount of actual floor space.

Height of building, (above curb. 219' to roof, 273' to tower top.
(below curb. 37'.

Number of stories, (above curb. 16 stories and tower.
(below curb. 2.

Type and number of columns. Rectangular box section of channels.

Type and form of footings. I beam grillages.

Method of windbracing. None.

Type and form of foundation. 3 rectangular cassions, 12' X 24'.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design. Total = 150#.

Method of floor construction. Hollow tile between I beams.

Method of carrying exterior walls. On girders at each floor.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators. 2.

Specifications under which built.

Note. This building is being torn down now to make room for a larger one.(1910)

Gillender Building, New York
Atlas Cement used exclusively

Berg & Clark
Architects

C. T. Wills
Builder

HANOVER NATIONAL BANK BUILDING.

Location. New York City.

Date of erection.

Architect. J. B. Baker

Engineer. F. A. Burdette.

Contractor.

Use of building. Bank and offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 111'6" X 98'6".

Amount of actual floor space.

Height of building, (above curb. 330' to cornice.
(below curb. 25'.

Number of stories, (above curb, 22.
(below curb. 2.

Type and form of columns. Rectangular section.

Types and form of footings. I beam grillages.

Method of windbracing.

Type and forms of foundation. Cassion piers of concrete, 7-11' in diameter and 28-48' deep.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

HOME LIFE INSURANCE BUILDING.

Location. 256 Broadway. New York.

Date of erection.

Architect. N. Le Brun and Sons.

Engineer.

Contractor. John Downey.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 55'6" X 104'.

Amount of actual floor space.

Height of building, (above curb. 206' to roof, 280' to spire top.
(below curb.

Number of stories, (above curb. 16 and tower.
(below curb.

Type and form of columns.

Type and form of footings. Solid masonry footings resting on hard upper crust of clay.

Method of wind bracing.

Type and size of foundations.

Type and form of retaining walls.

Provision for settlement. Has settled 2-1/2" difference between points is .1".

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

HUDSON TERMINAL BUILDING.

Location. Cortlandt and Fulton Streets, New York.

Date of erection. 1909-1910.

Architects. Clinton and Russel.

Engineer. Mr. James Dugan.

Contractors. G. A. Fuller Company.

Use of building. Railroad terminal and offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. Cortlandt, 213'X 170';Fulton,156'X 154'.

Amount of actual floor space. 44,000 sq.ft. for each floor.

Height of building, (above curb. 304'.
(below curb. 76'.

Number of stories, (above curb. 21.
(below curb. 3.

Types and forms of columns. 150 columns, maximum section = 268 sq.".

Types and form of footings. Cast steel bases.

Method of windbracing. By connecting upper and lower flanges of all beams and girders to columns.

Type and forms of foundations. Concrete piers by cassions to bed rock 100' below grade.

Type and form of retaining walls. Continuous cassions around walls.

Provision for settlement. None.

Loads for floor design. Cortlandt=160#; Fulton=200#.

Method of floor construction. 12 & 15" I beams on 24" I girders or plate girders.Roebling floor.

Method of carrying exterior walls. By girders at every flcor.

Composition of exterior walls. Brick, granite, limestone and terra cotta.

Method of fireproofing. 4" hollow tile minimum used. All wood treated.

Use of wire glass. Only were building is adjacent to others.

Type and number of elevators. 39 passenger.

Specifications under which built.

KUHN-LOEB BUILDING.

Location. Pine and Williams St., New York.

Date of erection. 1909.

Architect. T. B. Baker.

Engineer. S. C. Weiskopf.

Contractors. Thompson Starret Company.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 73' X 91'.

Amount of actual floor space.

Height of building, (above curb. 275'.
(below curb.

Number of stories, (above curb. 18.
(below curb. 2.

Type and form of columns. Rectangular section of channels and plates

Type and form of footings. Cast iron bases on I beam grillages.

Type and form of foundation. Bed of concrete on hard crust 30" thick.

Type and form of retaining walls used.

Provision for settlement.

Loads for floor design. Total 1st = 225#, others = 150#.

Method of floor construction. 4-5' span with terra cotta tile.

Method of carrying exterior walls.

Composition of exteriot walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

MAIDEN LANE NUMBER 35.

Location. 35 Maiden Lane, New York.

Date of erection.

Architect. Mr. Louis Korn.

Engineer. F. A. Burdette.

Contractor.

Use of building. Mercantile.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 91'6" X 17'.

Amount of actual floor space.

Height of building, (above curb.
(below curb.

Number of stories, (above curb. 11.
(below curb. 1.

Type and form of columns. Channels and plates.

Type and form of footings. Grillages of I beams.

Method of windbracing. By channels connecting to the columns of building next door.

Type and form of foundations. Grillages of 8"-18" I-beams inbedded in concrete.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

MANHATTEN LIFE INSURANCE BUILDING.

Location. 66-68 Broadway. New York.

Date of erection. 1893.

Architect. Kimball and Thompson.

Engineer. C. O. Brown.

Contractor.

Use of building. Offices.

Cost of, (substructure. $150,000.00.
(superstructure. $1,350,000.00.

Ground dimensions and area. 67'3" X 125', 3200 sq. ft.

Amount of actual floor space.

Height of building, (above curb. 246' to roof top, 348' to tower.
(below curb. 25'6".

Number of stories, (above curb. 17 and 18.
(below curb. 2.

Type and form of columns. Cast iron to 6th floor and rectangular steel columns above.

Type and form of footings. I beam grillages.

Method of windbracing.

Type and form of foundations. 9 rectangular concrete piers by means of cassions to bed rock 54' deep.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. Supported at each floor on the steel framework.

Composition of exterior walls. Brick and terra cotta.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

MASONIC HALL BUILDING.

Location. 6th Ave. and 23d St., New York.

Date of erection. 1909.

Architect. H. P. Knowles.

Engineer. Purdy and Henderson.

Contractor. Wells Brothers Company.

Use of building. Offices and halls.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 89' X 99'

Amount of actual floor space.

Height of building, (above curb. 278'.
(below curb. 32'.

Number of stories, (above curb. 18.
(below curb. 3.

Type and form of columns. Closed rectangular section of channels and plates.

Types and forms of footings. Cast iron bases and I beam grillages.

Method of windbracing. Knee braces of pairs of channels.

Type and form of foundation. Total excavation to solid rock 32' deep.

Type and form of retaining walls. Reinforced concrete walls between columns.

Provision for settlement. None.

Loads for floor design. Live load 75#.

Method of floor construction. Roebling method of construction.

Method of carrying exterior walls. At each floor on steel work.

Composition ofexterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

MERCANTILE BUILDING.

Location. 16th and Broadway, New York.

Date of erection.

Architect. Maynicke and Franke.

Engineer.

Contractor.

Use of building. Warehouse.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 92' X 160'.

Amount of actual floor space.

Number of stories, (above curb. 11.
(below curb. 1.

Height of building, (above curb.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations. Floating type of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. Self supporting.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

METROPOLITAN LIFE INSURANCE BUILDING.

Location. Madison Ave. and 24th St., New York.

Architect. Napoleon Le Brun and Son.

Engineers. Boller and Hodge.

Contractors. Milliken Brothers.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 200' X 400'.

Amount of actual floor space. 1,085,663 sq. ft.

Height of building, (above curb. 161' to roof top, 700'3" to top of
(below curb. 22'. tower.

Number of stories, (above curb. 11, tower 46.
(below curb. 2.

Type and form of columns. Angles and web and flange plates.

Type and form of footings. Cast steel bases on I beam grillages.

Method of windbracing. Web girders and channel knee braces.

Type and form of foundation. Complete excavation to solid rock.

Type and form of retaining walls. Concrete battered.

Provision for settlement. None.

Loads for floor design.

Method of floor construction. Roebling concrete segmental arch.

Method of carrying exterior walls. On girders at each floor.

Composition of exterior walls. Marble facing with brick backing.

Method of fireproofing. All steel work incased with reinforced concrete, minimum thickness 2".

Use of wire glass. None.

Type and number of elevators. Otis Traction Elevators.

Specifications under which built.

N. LE BRUN & SONS, ARCHITECTS

THE METROPOLITAN BUILDING.

MORTON BUILDING.

Location. 110-116 Nassau St., New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 75'9" X 142' X 112'.

Amount of actual floor space.

Height of building, (above curb.154'.
(below curb.

Number of stories, (above curb.12.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of footings.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

MUNICIPAL OFFICE BUILDING.

Location. Manhatten Terminal, Brooklyn Bridge, New York.

Date of erection. 1908-1910.

Architect. McKim, Mead and White.

Engineer. Alexander Johnson.

Name of contractor. The Foundation Company.

Use of building. Municipal offices.

Cost of, (substructure. Site $5,000,000; Total $9,000,000.00.
(superstructure.

Ground dimensions and area. 164' X 174'.

Amount of actual floor space. 600,000 sq. ft.

Height of building, (above curb. 580'.
(below curb. 35'.

Number of stories, (above curb. 25 and 40.
(below curb. 2.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and size of foundations. 69 of 107 cassion concrete piers to solid rock, 140' below grade.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. On girders at each floor.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

MUTAL LIFE INSURANCE BUILDING.

Location. Liberty St., New York.

Date of erection.

Architect. Clinton and Russel.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure. $700,000.
(superstructure. $1,000,000.

Ground dimensions and area. 100' X 125'; 16,000 sq. ft.

Amount of actual floor space.

Height of building, (above curb. 210', to garden 230'.
(below curb. 55'.

Number of stories, (above curb. 15.
(below curb. 4.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations. Concrete cassions to bed rock 100' below grade.

Type and form of retaining walls. Continuous cassions around walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

NETHERLAND HOTEL.

Location. 59th and 5th Ave., New York.

Date of erection. 1893-1894.

Architect. Clinton and Russel.

Engineer.

Contractor.

Use of building. Hotel.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 100' X 125'.

Amount of actual floor space.

Height of building, (above curb. 220'.
(below curb.

Number of stories, (above curb. 16.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

NEW YORK LIFE INSURANCE BUILDING.

Location. 346-348 Broadway, New York.

Date of erection.

Architect. McKim, Mead and White.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 60' X 196'.

Amount of actual floor space.

Height of building, (above curb. 188'; tower 270'.
(below curb.

Number of stories, (above curb. 12.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

NEW YORK REALITY COMPANY BUILDING.

Location. 9-13 Maiden Lane, New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 56'6"" X 28'5".

Amount of actual floor space.

Height of building, (above curb.203'6".
(below curb.

Number of stories, (above curb. 15.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundation.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

NEW TIMES BUILDING.

Location. Broadway and 42d St., New York.

Date of erection. 1904.

Architect. C.L.W. Eidletz.

Engineer.

Contractor.

Use of building. Newspaper and office.

Cost of, (substructure.
(superstructure.

Ground dimensions and area.

Amount of actual floor space.

Height of building, (above curb. 375'.
(below curb. 49'9".

Number of stories, (above curb. 22.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. Self supporting to 12th floor, then on girders at floors.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

PARK ROW BUILDING.

Location. 1321 Park Row, New York.

Date of erection.

Architect. Harding and Gooch.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 104'2" X 153'11".

Amount of actual floor space. 315,000 sq. ft.

Height of building, (above curb. 309', tower 386'.
(below curb.

Number of stories, (above curb. 29.
(below curb.

Type and form of columns. Plates and angles.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

PARK ROW BUILDING, NEW YORK.

R. H. ROBERTSON, ARCHITECT.

PLAZA HOTEL.

Location. 5th Ave. 58th and 59th St., New York.

Date of erection. 1906-1907.

Architect. H. J. Hardenbergh.

Engineer.

Contractor. G. A. Fuller Company.

Use of building. Hotel.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 250' X 75' X 200' X 125'. 21,000 sq.ft.

Amount of actual floor space.

Height of building, (above curb. 251'11".
(below curb.

Number of stories, (above curb. 17.
(below curb. 2.

Type and form of columns.

Type anf form of footings.

Method of windbracing. Gusset plates and knee braces.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and form of elevators.

Specifications under which built.

POSTAL TELEGRAPH BUILDING.

Location. Broadway and Murray St., New York.

Date of erection.

Architect. Harding and Gooch.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 75' X 100' X 155'.

Amount of actual floor space.

Height of building, (above curb. 179', pent house 193'.
(below curb.

Number of stories, (above curb. 13.
(below curb. 1.

Type and form of columns. Cast iron columns used.

Type and form of footings.

Method of windbracing.

Type and form of foundation.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

POSTAL TELEGRAPH BUILDING, BROADWAY & MURRAY STREET, NEW YORK

BUILT OF STONE FROM THE QUARRIES OF THE BEDFORD QUARRIES COMPANY

GEO. E. HARDING & WM. TYSON GOOCH, ARCHITECTS

PULTIZER BUILDING.

Location. Park Row, New York.

Date of erection.

Architect. George B. Post.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 115'4" X 237'0".

Amount of actual floor space.

Height of building, (above curb. 309'0".
(below curb. 66'6".

Number of stories, (above curb. 16 and dome.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

QUEENS INSURANCE BUILDING.

Location. Williams and Cedar St., New York.

Date of erection.

Architect. Harding and Gooch.

Engineer.

Contractor.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 41'11" X 68'0".

Amount of actual floor space.

Height of building, (above curb. 195'.
(below curb.

Number of stories, (above curb.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Types and form of foundation.

Types and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

SELIGMAN BUILDING.

Location. New York City.

Date of erection. 1907.

Architect. Francis H. Kimball.

Engineer. Weiskopf and Stern.

Contractor. G. A. Fuller Company.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 100' X 90' X 50'. 5,400 sq.ft.

Amount of actual floor space.

Use of building. Bank and offices.

Height of building, (above curb.
(below curb. 26'.

Number of stories, (above curb. 11.
(below curb.

Type and form of columns.

Type and form of footings. Grillages of I beams.

Method of windbracing.

Type and form of foundation. Cassions to bed rock, 45' below grade.

Type and form of retaining walls. Continuous cassions 30 to 40'high.

Provision for settlement.

Loads for floor design.

Method of floor construction. Roebling system.

Method of carrying exterior walls. Self-supporting to 11th floor, then on girders at floors.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

SILVERSMITHS BUILDING.

Location. 15-17-19 Maiden Lane, New York.

Date of erection.

Architect. Clinton and Russel.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 150' X 70'.

Amount of actual floor space.

Height of building, (above curb. 264'5".
(below curb.

Number of stories, (above curb. 20.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

SINGER BUILDING.

Location. Broadway near Liberty St., New York.

Date of erection. 1906-1907.

Architect. Earnest Flagg.

Engineer. O. F. Semosch.

Contractor. Milliken Brothers.

Use of building. Offices.

Cost of, (substructure. $300,000.
(superstructure. $1,500,000.

Ground dimensions and area. 133' X 231', 24,000sq.ft. Tower 63'sq.

Amount of actual floor space. 411,333 sq. ft.

Height of building, (above curb. 190'0",tower 612'1".
(below curb.

Number of stories, (above curb. 14, tower 41.
(below curb.

Type and form of columns. Closed rectangular section of channels and plates.

Type and form of footings. Cast steel bases on I beam grillages.

Method of windbracing. Vertical X bracing between columns.

Type and form of foundations. Cassion piers 90' below grade, and grillages of I beams.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design. 150# per sq. ft.

Method of floor construction. Flat hollow tile arches,cement finish.

Method of carrying exterior walls. By beams at each floor.

Composition of exterior walls. Brick and terra cotta.

Method of fireproofing. Brick and terra cotta.

Use of wire glass. None.

Type and number of elevators.

Specifications under which built.

THE SINGER BUILDING.

STANDARD OIL BUILDING.

Location. 24-30 Broadway, New York.

Date of erection.

Architect. Kimball and Thompson.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 114'1" X 207'11".

Amount of actual floor space.

Height of building, (above curb. 280'.
(below curb.

Number of stories, (above curb. 19.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

Standard Oil Co.'s Building, New York

Atlas Cement used

Kimball & Thompson
Architects

Geo. Vasser & Son
Builders

HUDSON BUILDING AND STANDARD OIL EXTENSION.

ST. JAMES BUILDING.

Location. Broadway and 20th, New York.

Date of erection.

Architect. Bruce Price.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 94'8" X 149'.

Amount of actual floor space.

Height of building, (above curb. 204'.
(below curb.

Number of stories, (above curb. 10.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type anf form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

ST.PAUL BUILDING.

Location. Broadway and Ann St., New York.

Date of erection. 1897.

Architect. George B. Post.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 39' X 27' X 104' X 54' X 83'.

Amount of actual floor space. 83,200 sq. ft. above 1st floor.

Height of building, (above curb. 313'.
(below curb.

Number of stories, (above curb. 26.
(below curb.

Type and form of columns. Plates and angles I shape.

Type and form of footings. On I beam grillages.

Method of windbracing.

Type and form of foundations. 12" bed of concrete at water level.

Type and form of retaining walls.

Provision for settlement. Settled 3/8" in first year.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls. At each floor on beams.

Composition of exterior walls. Masonry.

Method of fireproofing.

Use of wire glass.

Types and number of elevators. 6.

Specifications under which built.

St. Paul Building, New York City

Geo. B. Post, Architect

Robinson & Wallace, Builders

TIMES BUILDING.

Location:- Broadway & 7th. St., New York.

Date of erection:- 1904.

Architect:- C. L. W. Eidlitz.

Engineers:- Purdy & Henderson.

Contractor:- George A. Fuller Company.

Use of building:- Newspaper and office.

Cost of, (substructure:-
(superstructure:-

Ground dimensions and area:- 137'8" X 143' X 58'4" X 20'.

Amount of actual floor space:- 117,000 sq.ft.

Height of building: (above curb:- 225', tower 380'.
(below curb:- 50'.

Number of stories, (above curb:- 16, tower 5.
(below curb:- 3.

Type and form of columns:- Rectangular section, channels, angles, and web plates.

Type and form of footings:- Cast steel bases on 2-12" courses of granite 6' square.

Method of wind bracing:- Knee braces, gusset plates, and vertical X bracing.

Type and size of foundations:- Excavation to solid rock 55' deep.

Type and form of retaining walls:- Brick and concrete.

Provision for settlement:- None.

Loads for floor design:- Dead load 85#, Live load 90#.

Method of floor construction:- Tile arch, end construction.

Method of carrying exterior walls:- At each floor on girders.

Composition of exterior walls:- Stone to 4th., brick above.

Method of fireproofing:-

Use of wire glass:-

Type and number of elevators:-

Specifications under which built:-

TRIBUNE BUILDING.

Location. 7-9 Frankfort St., New York.

Date of erection. 1907.

Architect. D'Oench and Yost and L. Thoward.

Engineer. G.E.Low.

Contractor. D.C.Weeks and Son.

Use of building. Newspaper and offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 105' X 58'.

Amount of actual floor space.

Height of building, (above curb. 231'4".
(below curb. 23'6".

Number of stories, (above curb. 20.
(below curb.

Type and form of columns.

Type and form of footings. On I beam grillages.

Method of windbracing. Horizontal angles between top and bottom flanges of beams and girders.

Type and form of foundation. Grillage foundation 23'6" below curb.

Type and form of retaining walls.

Provision for settlement.

Method of carrying exterior walls. Walls are self-supporting.

Composition of exterior walls. Brick.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

TRINITY BUILDING.

Location. 111 Broadway, New York.

Date of erection. 1904-1905.

Architect. Francis H. Kimball.

Engineer. S. C. Weiskopf.

Contractor. G.A.Fuller Company.

Use of building. Office.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 47'3" X 260'6".

Amount of actual floor space.

Height of building, (above curb. 280'6".
(below curb. 23'6".

Number of stories, (above curb. 21.
(below curb. 2.

Type and form of columns. Rectangular section of channels and plates

Type and form of footings. Cast steel bases on I beam grillages.

Method of windbracing. Horizontal transverse beams.

Type and size of foundations. 50 cassions of concrete to bed rock.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design. Dead load 95#,live load 1st, 250#,others 175#.

Method of floor construction. 10" tile floor arches on I beams.

Method of carrying exterior walls. On 12" I beams at each floor.

Composition of exterior walls. Bedford stone and brick.

Method of fireproofing. Terra cotta,minimum 3".

Use of wire glass.

Types and numbers of elevators.

Specifications under which built.

Trinity Building, New York.

TRUST COMPANY OF ANERICA BUILDING.

Location. 41 Wall St., New York.

Date of erection. 1906.

Architect. Francis H. Kimball.

Engineer. Purdy and Henderson.

Contractor. G. A. Fuller Company.

Use of building. Offices.

Cost of, (substructure. / superstructure. Total $1,000,000.00.

Ground dimensions and area. 61' X 132'.

Amount of actual floor space. 189,000 sq. ft.

Height of building, (above curb. 330'. / below curb. 38'.

Number of stories, (above curb. 25. / below curb. 2.

Type and form of columns. Rectangular section, channels and plates.

Type and form of footings. Cast steel bases.

Method of windbracing. Knee braces of pairs of 10"to 15" channels.

Type and form of foundation. Cassion piers to bed rock.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design.

Method of floor construction. 20" I girders and 10"to 12" floor beams, and terra cotta tile.

Method of carrying exterior walls. On plate girders at each floor.

Composition of exterior walls. Terra cotta and brick.

Method of fireproofing. Terra cotta and hollow tile.

Type and number of elevators. 6 Otis hydraulic.

Specifications under which built.

UNITED STATES EXPRESS BUILDING.

Location. Rector and Greenwich St., New York.

Date of erection. 1906.

Architect. Clinton and Russel.

Engineer. J. H. Wells.

Contractor. Thompson Starret Company.

Use of building. Special and commercial.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 110' X 134'.

Amount of actual floor space. 14,000 sq. ft. on each floor.

Height of building, (above curb. 305'.
(below curb. 20'.

Number of stories, (above curb. 22.
(below curb. 2.

Type and form of columns. Closed rectangular section, channels and cover plates.

Type and form of footings. Cast steel bases.

Method of windbracing. Double girders between columns.

Type and form of foundations. Cassion piers to bed rock.

Type and form of retaining walls. Continuous cassions around walls.

Provision for settlement. None.

Loads for floor design. Dead load 75#,live load 90#.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass. Rear windows to four stories above adjacent buildings.

Type and form of elevators.

Specifications under which built.

UNITED STATES REALITY BUILDING.

Location. Broadway, New York.

Date of erection. 1904-1905.

Architect. Francis H. Kimball.

Engineer. S. C. Weiskopf.

Contractor. G. A. Fuller Company.

Use of building. Offices.

Cost of, (substructure. Total $10,000,000.
(superstructure.

Ground dimensions and area. 102'6" X 64'.

Amount of actual floor space. Total 550,000 sq. ft.

Height of building, (above curb. 280'6", tower 360'.
(below curb. 23'6".

Number of stories, (above curb. 22, tower 27.
(below curb. 2.

Type and form of columns. Rectangular section of channels and plates.

Type and form of footings. Cast steel bases on I grillages.

Method of windbracing. Horizontal transverse beams.

Type and form of foundation. 87 cassions to bed rock.

Type and form of retaining walls.

Provision for settlement. None.

Loads for floor design. Dead Load 95#, live load 1st 250#, others 175#.

Method of floor construction. 10" tile arches on I beams.

Method of carrying exterior walls. On I beams at each floor.

Composition of exterior walls. Bedford stone and brick.

Method of fireproofing. Terra cotta, minimum thickness 3".

Use of wire glass.

Type and number of elevators.

Specifications under which built.

The total costs and amount of actual floor space includes that of the Trinity building which was built at the same time.

VINCENT BUILDING.

Location. Broadway and Duane St.,New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building.

Cost of, {substructure.
{superstructure.

Ground dimensions and area. 50'11" X 110'7".

Amount of actual floor space.

Height of building, {above curb. 205'.
{below curb.

Number of stories, {above curb. 14.
{below curb.

Type and form of columns.

Type and form of fcotings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and form of elevators.

Specifications under which built.

WALDORF ASTORIA.

Location. 1319 W. 23d St., New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building. Hotel.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 85'0" X 98'9".

Amount of actual floor space.

Height of building, (above curb. 214'.
(below curb.

Number of stories, (above curb. 16.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

WALL STREET EXCHANGE BUILDING.

Location. Wall St., New York.

Date of erection. 1903.

Architect. Clinton and Russel.

Engineer. J. H. Wells.

Contractor. G. A. Fuller.

Use of building. Banks and offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 100' X 100'.

Amount of actual floor space.

Height of building, (above curb. 341'.
(below curb. 36'.

Number of stories, (above curb. 25.
(below curb. 2.

Type and form of columns.

Type and form of footings. I beam grillages.

Method of windbracing.

Type and form of foundations. Cassions to hard pan.

Types and forms of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction. 12" tile arches on I beams.

Method of carrying exterior walls. On I beams at each floor.

Composition of exterior walls. Brick.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

WALL STREET NUMBER 1.

Location. Wall and Broadway, New York.

Date of erection. 1906.

Architect. Barnett, Haynes and Barnett.

Engineer.

Contractor.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 32' X 40'.

Amount of actual floor space.

Height of building, (above curb. 220'.
(below curb. 30'.

Number of stories, (above curb. 18.
(below curb. 2.

Type and form of columns. Closed rectangular of channels and plates.

Type and form of footings.

Method of windbracing.

Type and form of foundations. Steel tubes driven and filled with concrete.

Types and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

WALL STREET NUMBER 60.

Location. 60 Wall St., New York.

Date of erection. 1906.

Architect. Clinton and Russel.

Engineer. J. H. Wells.

Contractor. C. J. Willis.

Use of building. Offices.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 192' X 75'.

Amount of actual floor space.

Height of building, (above curb. 350'.
(below curb. 21'.

Number of stories, (above curb. 13 and 25.
(below curb. 2.

Type and form of columns. Rectangular section channels and plates.

Type and form of footings. I beam grillages.

Method of windbracing. Gusset plates and kneebraces.

Type and form of foundations. Cassion piers to bed rock.

Type and form of reatining walls. Concrete battered, 2-1/2' in 16'.

Provision for settlement. None.

Loads for floor design. Total 165#.

Method of floor construction.

Method of carrying exterior walls. On girders at each floor.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Type and number of elevators.

Specifications under which built.

WANAMAKER BUILDING.

Location. Broadway and 8th St., New York.

Date of erection. 1906.

Architect. D. H. Burnham and Company.

Engineer. J. G. Giaver.

Contractor. Thompson Starret Company.

Use of building. Retail merchandise.

Cose of, (substructure. / superstructure. Total $9,000,000.00.

Ground dimensions and area. 476'0" X 46'6".

Amount of actual floor space. 40 acres.

Height of building, (above curb. 232'6". / below curb. 46'0".

Number of stories, (above curb. 13. / below curb. 2.

Type and form of columns. Angles and plates in I section.

Type and form of footings. Cast iron bases on steel grillages.

Method of windbracing. Gusset plates.

Type and form of foundation. Concrete piers to bed rock.

Type and form of retaining walls. Concrete battered from 2' to 8'.

Provision for settlement. None.

Loads for floor design. Dead load 75#, live load 75#.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls. Bedford stone.

Method of fireproofing.

Use of wire glass.

Types and number of elevators. 69.

Specifications under which built.

D. H. Burnham & Co.
Architects
Chicago

WANAMAKER STORE
New York City

Barr-Thaw & Fraser
Cut Stone Contractors
Hoboken, N. J.

WASHINGTON LIFE INSURANCE BUILDING.

Location. Broadway and Liberty St., New York.

Date of erection.

Architect.

Engineer.

Contractor.

Use of building.

Cost of, (substructure.
(superstructure.

Ground dimensions and area. 53'9" X 159'3".

Amount of actual floor space.

Height of building, (above curb. 273'.
(below curb.

Number of stories, (above curb. 19.
(below curb.

Type and form of columns.

Type and form of footings.

Method of windbracing.

Type and form of foundation.

Type and form of reatining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

Washington Life Insurance Building
New York City

C. L. W. Eidlitz
Architect

10,000 bbls. Atlas used

M. Eidlitz & Son
Builders

WEST STREET BUILDING.

Location.

Date of erection. 1906.

Architect. Cass Gilbert.

Engineer.

Contractor. John Pierce and Company.

Use of building.

Cost of building.

Ground dimensions and area. 120' X 160'.

Amount of actual floor space. 275,000 sq. ft.

Height of building, (above curb. 300'.
(below curb. 11'.

Number of stories, (above curb. 23.
(below curb. 1.

Type and form of columns.

Type and form of footings.

Method of wind bracing.

Type and form of foundations.

Type and form of retaining walls.

Provision for settlement.

Loads for floor design.

Method of floor construction.

Method of carrying exterior walls.

Composition of exterior walls.

Method of fireproofing.

Use of wire glass.

Types and number of elevators.

Specifications under which built.

The West Street Building
New York

Floor of Substructure 17 ft. below mean high tide.

WHITEHALL BUILDING.

Location. Battery Place, West & Washington Sts., New York.

Date of erection:-

Architect:- H. J. Hardenbergh.

Engineers:- Purdy & Henderson.

Contractors:- George A. Fuller Company.

Use of building:- Offices.

Cost of, (substructure:-
(superstructure:-

Ground dimensions and area:- 66' X 180', 11,880. sq.ft.

Amount of actual floor space:- 9,760 sq.ft. per floor.

Height of building, (above curb:- 254'.
(below curb:- 7'.

Number of stories, (above curb:- 20.
(below curb:- 1.

Type and form of columns:- Steel.

Type and form of footings:- Cast iron bases on steel grillages.

Method of windbracing:- Lateral bracing at intervals.

Type and size of foundations:- 48 piers to rock by means of cassions, supporting 53 columns.

Type and form of retaining walls:- Brick battered.

Provision for settlement:- None.

Loads fo floor design:- 1st. 150#, above live load 75#.

Method of floor construction:- 10" terra cotta flat arch blocks.

Method of carrying exterior walls:- Carried on steel beams at each floor.

Composition of exterior walls:- Brick faced with stone ashlar, 4 & 6 ins. thick.

Method of fireproofing:- All steel covered with 2" fireproof block.

Use of wire glass:- None.

Type and number of elevators:- Electric.

Specifications under which built.

Exchange Court Building, New York.

Clinton & Russell, Architects John Downey, Builder

9-11-13 Maiden Lane

Atlas Cement used exclusively

Ralph S. Townsend, Architect C. Cowen, Builder

Fidelity and Casualty Building, New York City

Cyrus L. W. Edlitz, Architect

Robinson & Wallace, Builders

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